



Used Oil Burners

Hazardous Waste Program technical bulletin

10/2003

Used Oil

Used oil is defined as petroleum-derived and synthetic oils that have been spilled into the environment or used for lubrication or cutting oil, heat transfer, hydraulic power or insulation in dielectric transformers. Oils used as solvents and used ethylene glycol are not defined as used oil.

The Missouri Department of Natural Resources has adopted and amended federal guidelines for used oil that provide strong safeguards against potential types of mishandling that may occur. This technical bulletin describes the management standards for burners of off-specification used oil under 10 CSR 25-11.279, which became effective Aug. 28, 1994. The standards are designed to encourage recycling while protecting human health and the environment.

Burners of Off-Specification Used Oil

A used oil burner is a facility where used oil not meeting the specification requirements is burned for energy recovery in an industrial furnace, boiler or hazardous waste incinerator.

Management Standards

Burners of off-specification used oil must:

- obtain a generator identification number from the U.S. Environmental Protection Agency (EPA) and notify them of the used oil activities;
- keep storage tanks and containers in good condition and labeled "used oil";
- keep tanks and containers that are exposed to rainfall closed at all times, except when adding or removing used oil;
- clean up used oil spills or leaks to the environment;
- store used oil in areas with oil-impervious floors;
- provide secondary containment of equal to or greater than 10 percent of the containerized volume or the volume of the largest container, whichever is greater;
- track incoming and outgoing used oil shipments;
- determine the total halogen content of used oil managed at the facility;
- keep a copy of the Transporter's Used Oil Shipment Record;
- provide to the generator, transporter, or processor or refiner a one-time written certification that the EPA has been notified of the burner's used oil activities, and that the used oil will be burned in an industrial furnace or boiler; and
- properly manage residues from storage or burning of used oil.

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Space Heaters

Generators may burn their own used oil, as well as used oil received from household do-it-yourselfers and exempt farmers, in used oil-fired space heaters that have a design capacity of 0.5 million Btu or less per hour and are vented to the ambient air. Mixtures of used oil with a hazardous waste originating from conditionally exempt small quantity generators of hazardous waste may be burned in used oil-fired space heaters. The department is no longer requiring resource recovery certification for this activity.

Additional Information

Related technical bulletins and inspection checklists can be obtained by contacting the Department of Natural Resources:

- *Used Oil Generators* (pub131)
- *Used Oil Contaminated Waste* (pub153)
- *Used Oil Collection Centers* (pub136)
- *Used Oil Transporters* (pub132)
- *Used Oil Processors and Re-refiners* (pub154)
- *Used Oil Marketers* (pub133)

For More Information

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P.O. Box 176, Jefferson City, MO 65102-0176
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www.dnr.mo.gov/alpd/hwp Program Home Page

If you are using a Telecommunications Device for the Deaf (TDD), please call Relay Missouri at 1-800-735-2966.